

## **AMENDMENT TO THE CLAIMS**

Claims 1-50. Cancelled.

51. (New) A local-area wireless communication system for use with a plurality of mobile devices that are configured to communicate over a wide-area wireless network, comprising:

a plurality of local base stations coupled to a local area network (LAN), the local base stations being configured to send and receive data over the LAN and to communicate wirelessly with the plurality of mobile devices;

a redirector configured to interface the local-area wireless communication system with the wide-area wireless network;

the plurality of local base stations being further configured to:

determine if a particular mobile device is currently in communication with the local-area wireless communication system when an outgoing communication is directed to the particular mobile device; and

either route the outgoing communication to the particular mobile device over the local-area wireless communication system if the particular mobile device is currently in communication with the local-area wireless communication system, or route the outgoing communication to the redirector if the particular mobile device is not currently in communication with the local-area wireless communication system;

the redirector being further configured to route outgoing communications over the wide-area wireless network;

whereby mobile devices are able to send and receive data while roaming between the wide-area wireless network and the local-area wireless communication system.

52. (New) The system of claim 51, wherein the plurality of local base stations each have a network address on the LAN and are configured to send and receive data over the LAN using the network addresses.

53. (New) The system of claim 51, wherein the mobile devices use a wide-area wireless network protocol to communicate over both the local-area wireless communication system and the wide-area wireless network.

54. (New) The system of claim 53, wherein the plurality of local base stations each have a network address on the LAN and are configured to send and receive data over the LAN using the network addresses, and wherein the data received from a mobile device using the wide-area wireless network protocol is tunneled through the LAN using the network address for a local base station.

55. (New) The system of claim 51, further comprising:

a subscription server operating on the LAN that is configured to identify the local base stations covering one or more of the mobile devices, wherein the subscription server enables the local-area wireless communication system to locate mobile devices that are in communication with the local-area wireless communication system.

56. (New) The system of claim 52, wherein the network address is an internet protocol (IP) address.

57. (New) The system of claim 51, wherein the redirector interfaces the local-area wireless communication system with the wide-area wireless network via a wide-area computer network.

58. (New) The system of claim 51, wherein the redirector is further configured to transfer electronic messages into an electronic mailbox.

59. (New) The system of claim 51, wherein the mobile devices transmit and receive electronic mail messages over the local-area wireless communication system and the wide-area wireless network.

60. (New) The system of claim 51, wherein the mobile devices transmit and receive voice communications over the local-area wireless communication system and the wide-area wireless network.

61. (New) The system of claim 51, further comprising:

a mail server operating on the LAN and having access to a wide-area computer network, the mail server being configured to send and receive electronic messages over the wide-area computer network and the LAN;

wherein the redirector is further configured to forward electronic mail messages from the mail server to the mobile devices.

62. (New) The system of claim 56, wherein the subscription server also logs subscription information for one or more of the mobile devices.

63. (New) The system of claim 62, wherein each local base station includes a subscription list that identifies the mobile devices currently covered by the particular base station.

64. (New) The system of claim 51, wherein the local base stations include route caches that store data identifying the local base stations last known to be covering one or more of the mobile devices.

65. (New) The system of claim 64, wherein the local base stations are configured to purge from the route cache data relating to any mobile device to which the local base station has not been in communication for a predefined interval of time.

66. (New) The system of claim 51, wherein the local-area wireless communication system operates within an office.